PATENT COOPERATION TREATY

TOG	-	Pil-redițilei	بنهوطا	OciAA
5007	AON	6	Z	BEC,D

FAIGHT COOPERATION TREATY					
From the INTERNATIONAL SEARCHING AUTH	IORITY			SOOZ AON 6 Z	
To: RICHARD L. BYRNE THE WEBB LAW FIRM		PCT			
700 KOPPERS BUILDING 436 SEVENTH AVENUE PITTSBURGH, PA 15219-1845		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
			(PCT Rule 43bis.1	1)	
		Date of mailing (day/month/year)	S3 NON 50	09	
Applicant's or agent's file reference		FOR FURTHER	ACTION See paragraph 2 below		
0815-044244					
International application No.	International filing date	(day/month/year)	day/month/year) Priority date (day/month/year)		
PCT/US04/19596 International Patent Classification (IPC)	18 June 2004 (18.06.200	4)	20 June 2003 (20.06.2	003)	
IPC(7): F16J 15/40, 15/447; F01D 11/00 Applicant	1, 11/02 and US CL: 277/40	9, 411-415; 415/171.	1, 173.5, 174.5		
ELLIOTT COMPANY					
1. This opinion contains indications re	lating to the following item	s:			
Box No. I Basis of the opinion					
Box No. II Priority	Priority				
Box No. III Non-establ	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of un	Lack of unity of invention				
	asoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial plicability; citations and explanations supporting such statement				
Box No. VI Certain doc	in documents cited				
Box No. VII Certain def	ects in the international app	pplication			
Box No. VIII Certain obs	servations on the internation	tional application			
2. FURTHER ACTION					
If a demand for international prelin International Preliminary Examinir Authority other than this one to be that written opinions of this Internati	ng Authority ("IPEA") ex the IPEA and the chosen	cept that this does IPEA has notified the	not apply where the a	applicant chooses an	
If this opinion is, as provided abov IPEA a written reply together, wher of Form PCT/ISA/220 or before the	e appropriate, with amends expiration of 22 months fro	ments, before the exp	iration of 3 months from	vited to submit to the m the date of mailing	
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form	PCT/ISA/220.				
Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	5	Authorized officer Vishal Patel Telephone No. 57	ermits for		

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application	No.		
PCT/US04/19596			

Box N	o. 1 Basis of this opinion				
1. With was f	regard to the language, this opinion has been established on the basis of the international application in the language in which it iled, unless otherwise indicated under this item.				
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).				
2. With inven	2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
a.	type of material				
	a sequence listing				
	table(s) related to the sequence listing				
b.	format of material				
	in written format				
	in computer readable form				
c.	time of filing/furnishing				
	contained in international application as filed.				
	filed together with the international application in computer readable form.				
	furnished subsequently to this Authority for the purposes of search.				
	Infinished subsequently to this Audiority for the purposes of search.				
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4. Addit	ional comments:				
	·				

Form PCT/ISA/237(Box No. I) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/19596

. Statement			
Novelty (N)	Claims N	ONE	YES
	Claims 1-	-8	NO
Inventive step (IS)	Claims N	ONE	YES
	Claims 1-	-8	NO
Industrial applicability (IA)	Claims 1-	-8	YES
	Claims N	ONE	NO
Citations and explanations:			
mprove rotor stability comprising an abradable laby nereto (portion of 2 that does not get abraded by tee The abradable labyrinth is upstream of the eal adjacent to the first tooth on the left hand of figurateries are along the shaft (each damper seal opposite material of 2 by teeth 5). The abradable seal segments comprises a padially outward of the teeth (each section of 2 that is f a smooth section between teeth 5).	th 5). damper seal (the dure 1). There is a pite a smooth surfactorized	damper seal near d2 which does olurality of labyrinth and damper e between the teeth 5 and each to teeth (5) extending from the ships of the ships o	not get abraded and the abradable seal segments adjacent and abyrinth scal formed by abrading

Form PCT/ISA/237 (Box No. V) (January 2004)